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# 中国玄参属一新种*

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# A NEW SPECIES OF *SCROPHULARIA* L. FROM HENAN, CHINA

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**关键词** 玄参属;太行玄参

**太行玄参** 新种 图 1

**Scrophularia taihangshanensis** C. S. Zhu et H. W. Yang, sp. nov. (Sect. Scrophularia)

Species *S. macrocarpae* Tsoong affinis, a qua differt panicula e racemis 8～15 cm longis composita, rhachidi et ramulis paniculae tenuibus flexuosis, calyce 2.5～3 mm longo, lobis corollae oblongis vel obovato-oblongis, anthera staminodii oblonga, stylo ovario 4～5 plo longiore, capsula minore, cum rostro 4～5 mm longa.

Herba perennis, 30～45 cm alta. Caulis tetragonus, cum petiolis trichomatibus complanatis multiseptatis et pilis brevibus glanduliferis tectus. Folia basilaria ovata vel triangulato-ovata, 3.5～5 cm longa, (2.5)3～4.5 cm lata, basi cordata vel subcordata; folia caulina opposita, media elliptica vel ovato-elliptica, 5～8 cm longa, 3.5～5 cm lata, basi late cuneata, rotundata vel leviter cordata; omnia apice obtusa vel acuta, utrinque pulverato-puberula, subtus ad costas et nervos laterales adpresse pubescentia, margine lobulata et duplicato-denticulata, lobulis deltoideis; petioli complanati, 4～6 cm longi. panicula e racemis 8～15 cm longis composita, laxa, terminalis; rhachides racemorum tenues, flexuosae, (8～)10～25-florae, cum bracteis pedicellis calyceque trichomatibus complanatis multiseptatis et pilis brevibus glandulosis tactae; pedicelli; graciles, 10～20 mm longi; bracteae lanceolatae vel lineares, 2～2.5 mm longae. Calyx 5-partitus juxta basin, 2.5～3 mm longus, segmentis anguste ovatis vel oblongo-lanceolatis, apice acutis vel acuminatis. Corolla flavo-virens, bilabiata, 6～7.5 (8) mm longa, tubo 4～5 mm longo 2～2.5 mm in diam., labio postico 0.5～1 mm longiore quam eo antico bipartito, lobis obovato-oblongis 2～2.5 mm longis c. 1.5 mm

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latis, labio antico tripartito, lobo medio minore suboblongo 2～2.5 mm longo 1～1.5 mm lato, lobis lateralibus obovato-oblongis c. 3 mm longis 1.5～2 mm latis. Stamina fertilia 4, corollae aequilonga, postica quam antica leviter breviora, filamentis glabris; anthera staminodii oblonga, minuta et inconspicua. Ovarium ovoideum, c. 1.2 mm longum, stylo 5～6 mm longo. Capsula ovoidea, cum rostro 4～5 mm longa. Semina plurima, oblonga, 0.4～0.5 mm longa, c. 0.3 mm lata, angulosa.

**Henan**(河南):Qinyang (沁阳), Baisongling (白松岭), alt. 870 m, in fissuris rupium vel pratis ad marginem sylvarum, 1995-07-30, H. W. Yang *et al*. 95018 (typus, HEAC; isotypus, PE); ibid. 1991-08-26, J. J. Liu (刘进杰) *et al*. 91475.

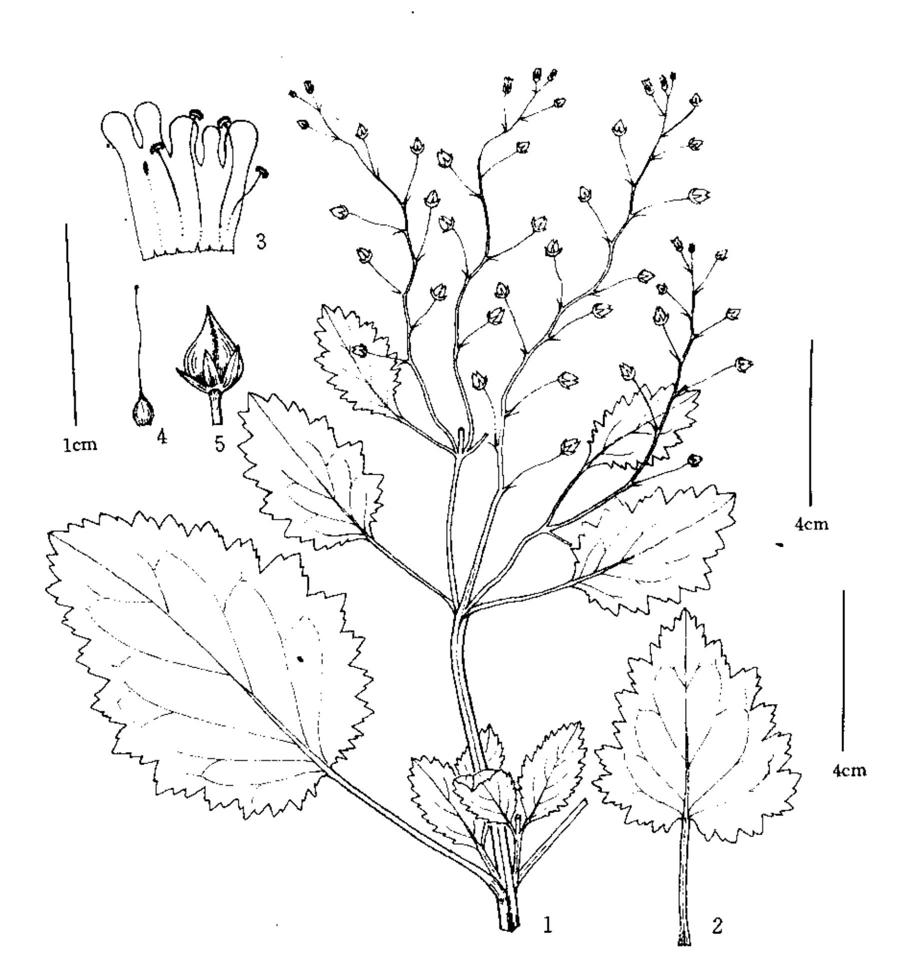



图 1 太行玄参 1. 植株(上部); 2. 基生叶; 3. 花冠(剖开)和雄蕊; 4. 雌蕊; 5. 果实。
Fig. 1 *Scrophularia taihangshanensis* 1. plant (upper); 2. basal leaf; 3. corolla (opened) and stamens; 4. pistil; 5. fruit.

多年生草本,高 20～45 cm。茎四棱形,和叶柄均被扁平节毛及短腺毛。基生叶卵形或三角状卵形,长 3.5～5 cm,宽(2.5)3～4.5 cm,基部心形或浅心形;茎生叶对生,中部叶椭圆形或卵状椭圆形,长 5～8 cm,宽 3.5 cm,基部微心形、圆形或宽楔形;全部叶先端

钝或急尖,两面被粉粒状微毛,下面沿主脉和侧脉被平展短毛,边缘具浅裂片状的正三角形重锯齿;叶柄扁平,长4~6 cm。圆锥花序顶散生,松散;花序分枝长8~15 cm,具(8)10~25花;花序轴及花序分枝纤细,之字型曲折;花梗纤细,长10~20 mm;花序轴、花梗、苞片和花萼背面均被扁平节毛和短腺毛。苞片披针形或线形,长2~2.5 mm。花萼5深裂至近基部,裂片狭卵形或长圆状披针形,长2.5~3 mm,先端锐尖或渐尖。花冠黄绿色,二唇形,长6~7.5 (8) mm;筒长4~5 mm,直径2~2.5 mm;上唇长于下唇0.5~1 mm;上唇2裂,裂片倒卵状长圆形,长2~2.5 mm,宽约1.5 mm;下唇3裂,中裂片较小,近长圆形,长2~2.5 mm 宽1~1.5 mm,侧裂片倒卵状长圆形,长约3 mm,宽1.5~ 2 mm。能育雄蕊4枚,与花冠近等长,后对雄蕊稍短于前对雄蕊,花丝无毛;退化雄蕊的花药长圆形,微小而不明显。子房卵球形,长约1.2 mm,花柱长5.5~6 mm。蒴果卵球形,连喙长4~5 mm。种子多数,长圆形,长0.4~0.5 mm,直径约0.3 mm,具棱。

本种接近大果玄参 *S. macrocarpa* Tsoong,但圆锥花序由长8~15 cm的总状花序组成,花序轴和花序分枝纤细,之字型曲折;花萼较小,长2.5~3 mm;花冠裂片长圆形或长圆状例卵形;退化雄蕊的花药长圆形;花柱长为子房的4~5倍;蒴果较小,连喙长4~5 mm。与大果玄参易于区别。